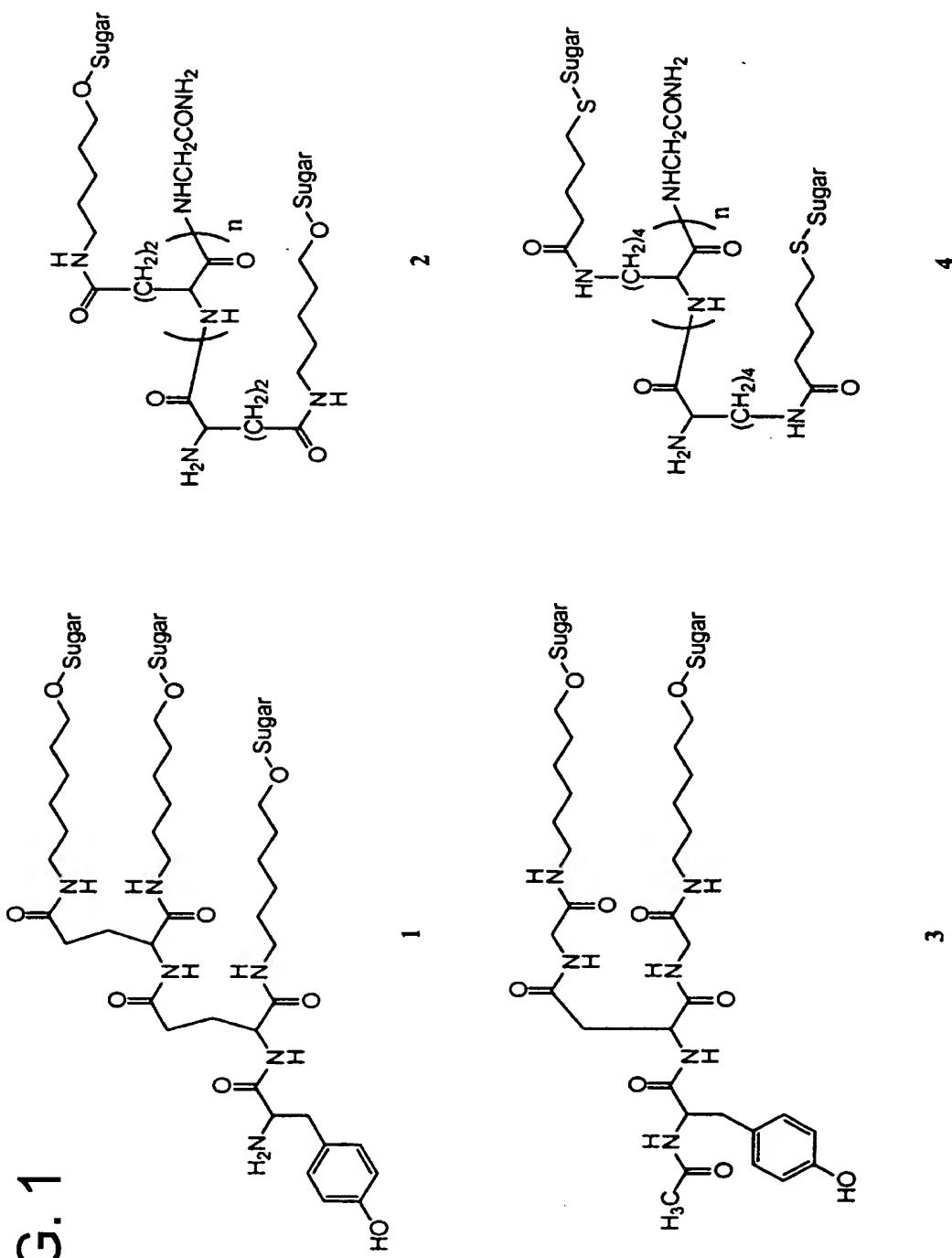


FIG. 1



^asugar may be, but is not restricted to, any of the following sugars: glucose, N-acetylglucosamine, galactose, N-acetylgalactose, mannose, fucose.

^bFolic acid may be used in place of the sugar residues

FIG. 2a

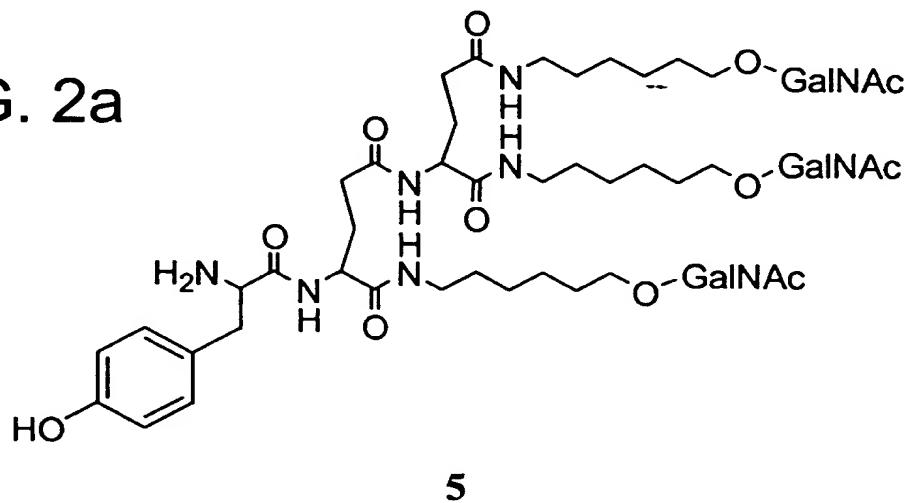
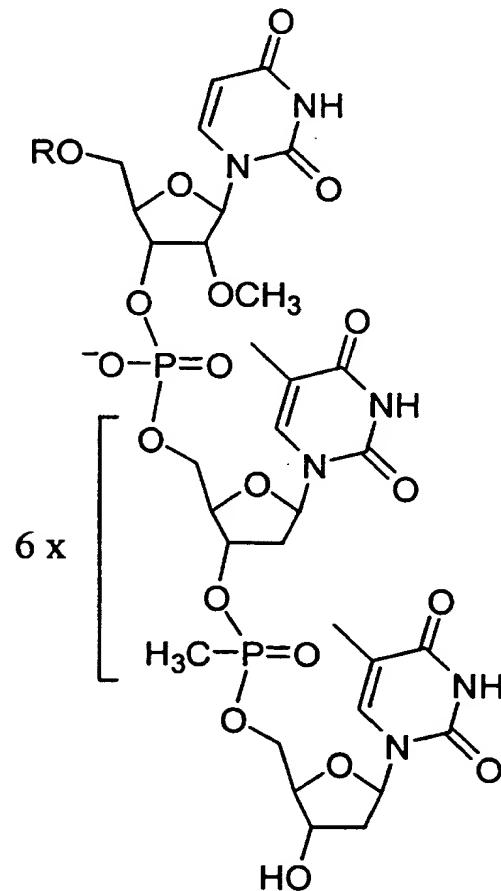


FIG. 2b



6a R = H

6b R = $\text{--P}(\text{O}^-)(\text{H})\text{--N--CH}_2\text{--CH}_2\text{--NH}_3^+$

FIG. 2c

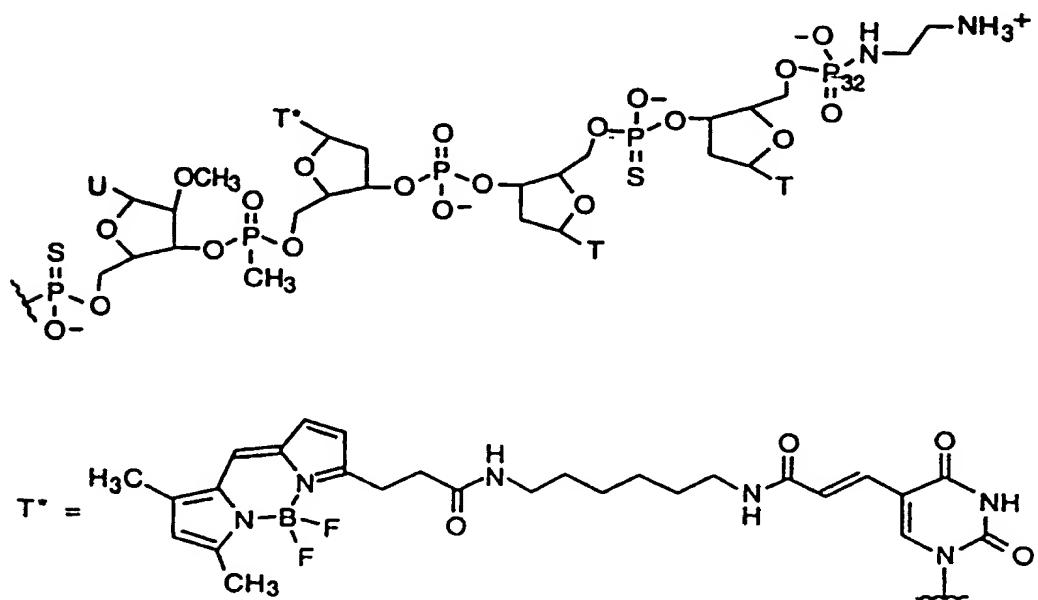
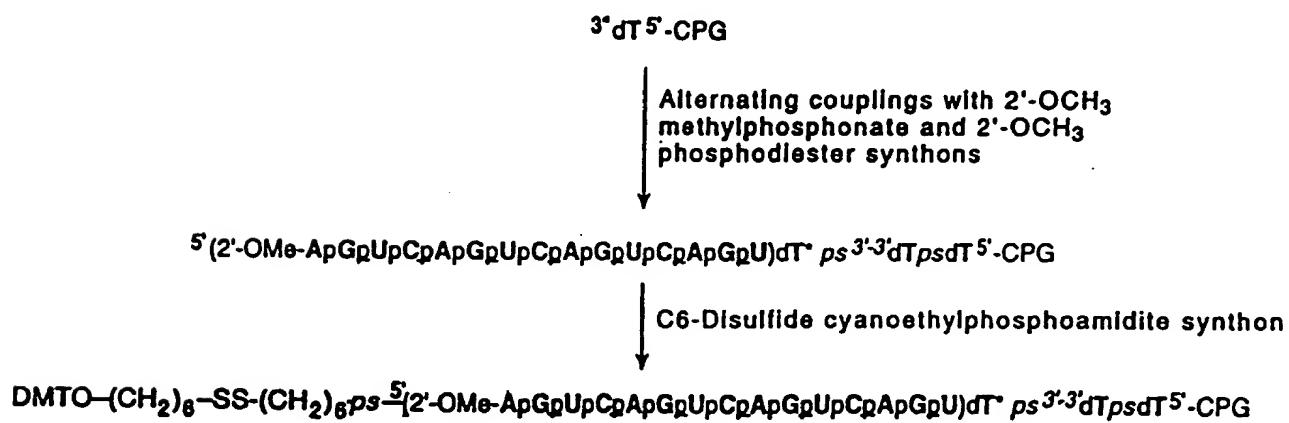


FIG. 2d



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FIG. 2e

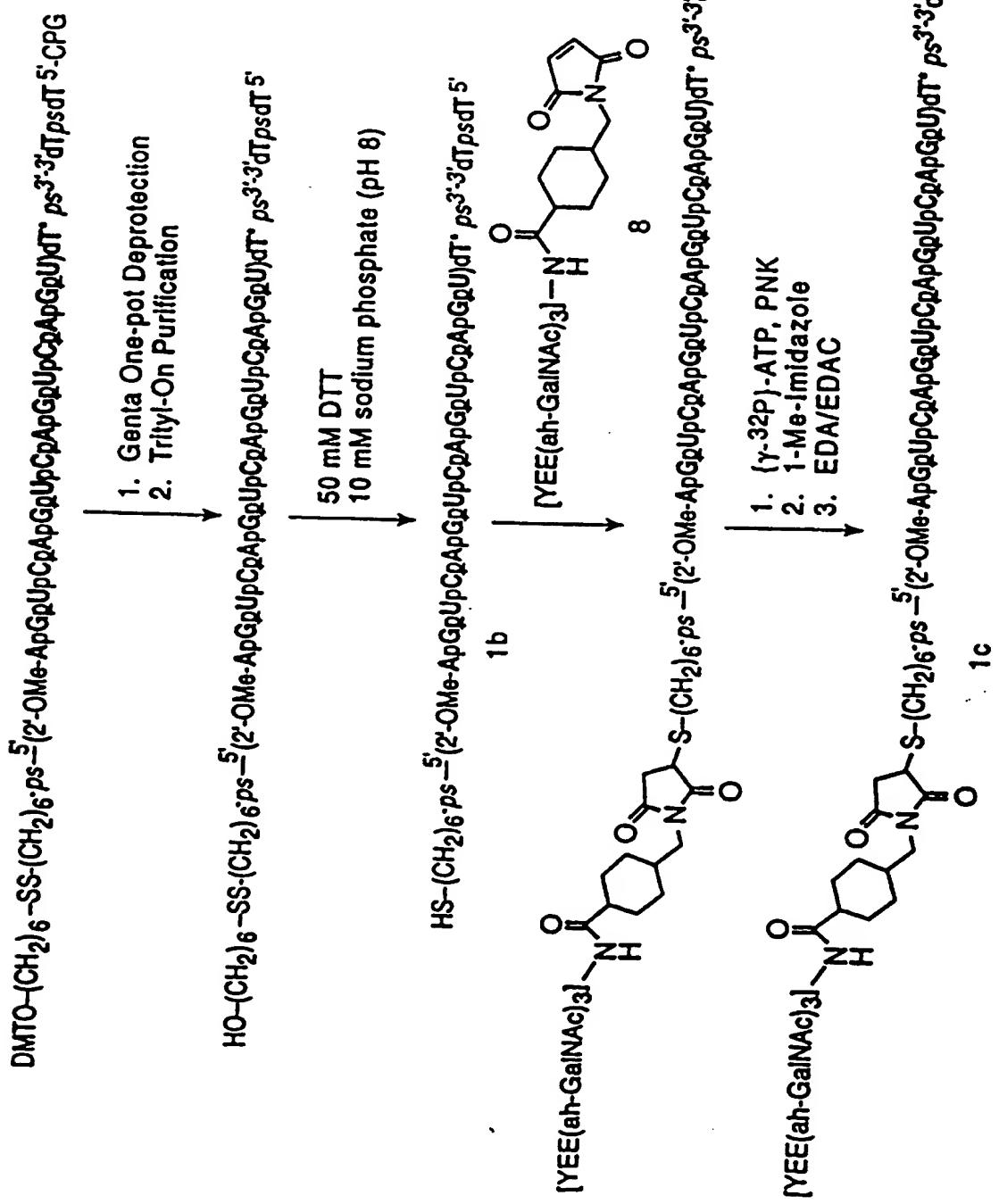


FIG. 3

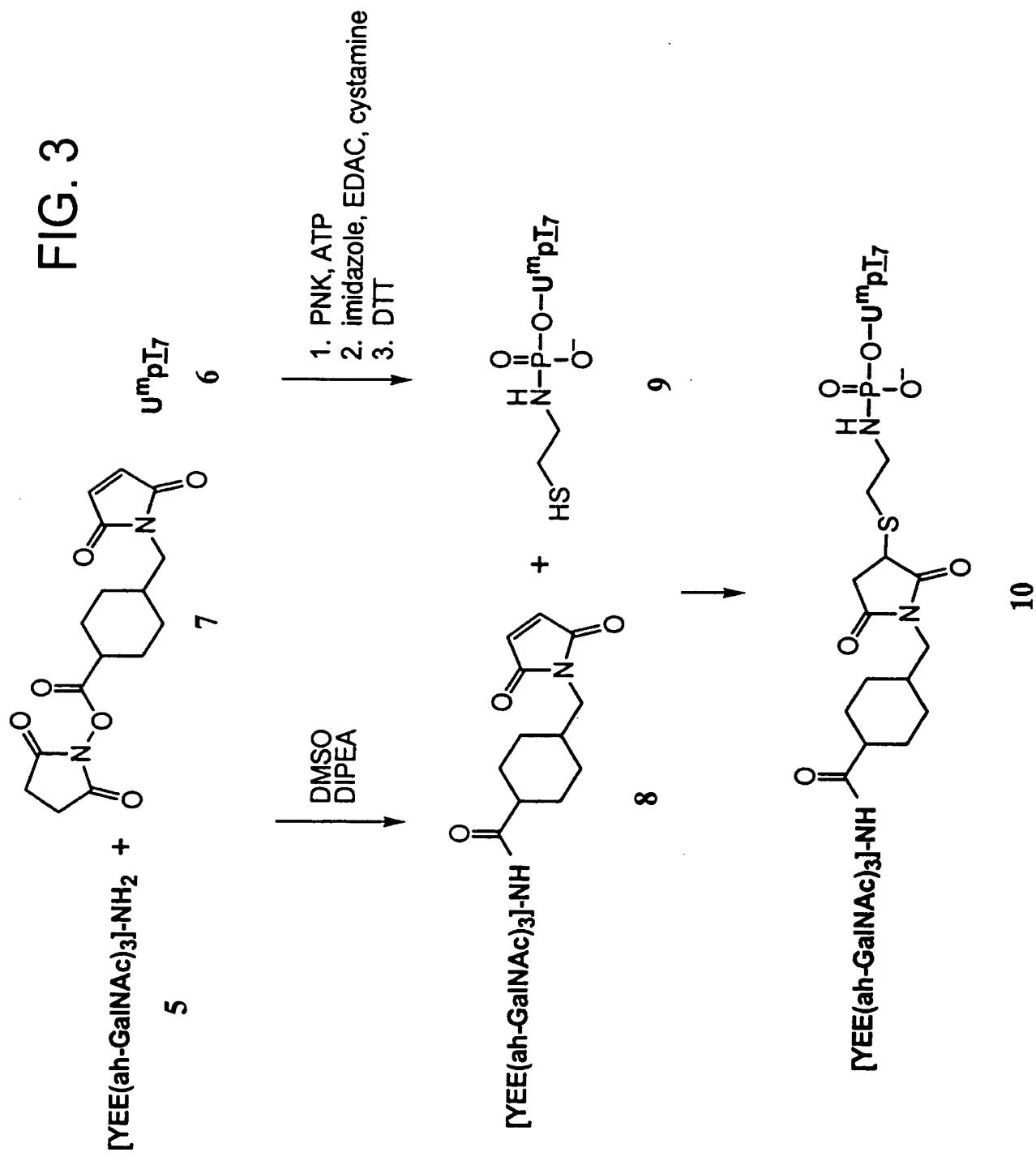


FIG. 4

1 2 3 4

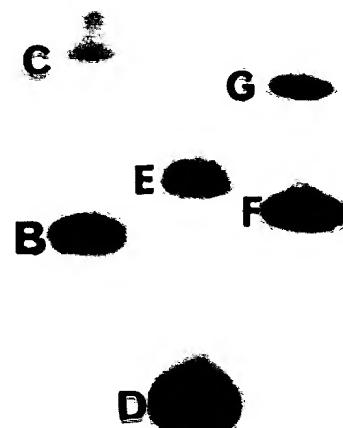
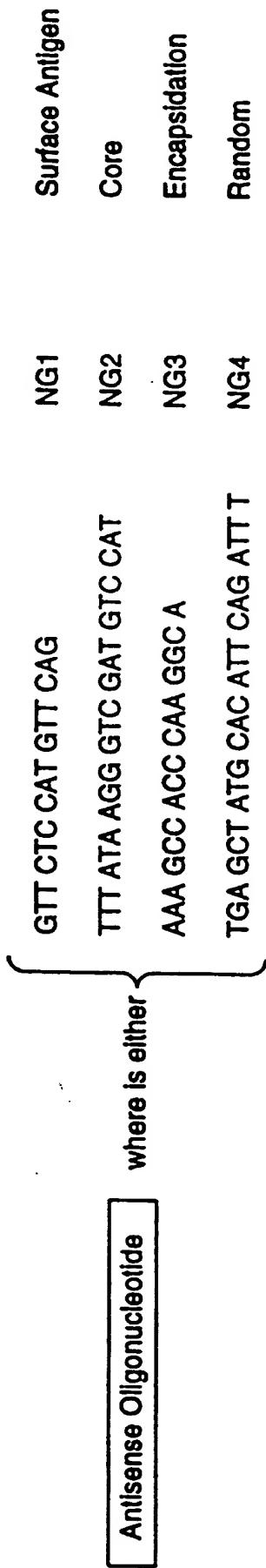
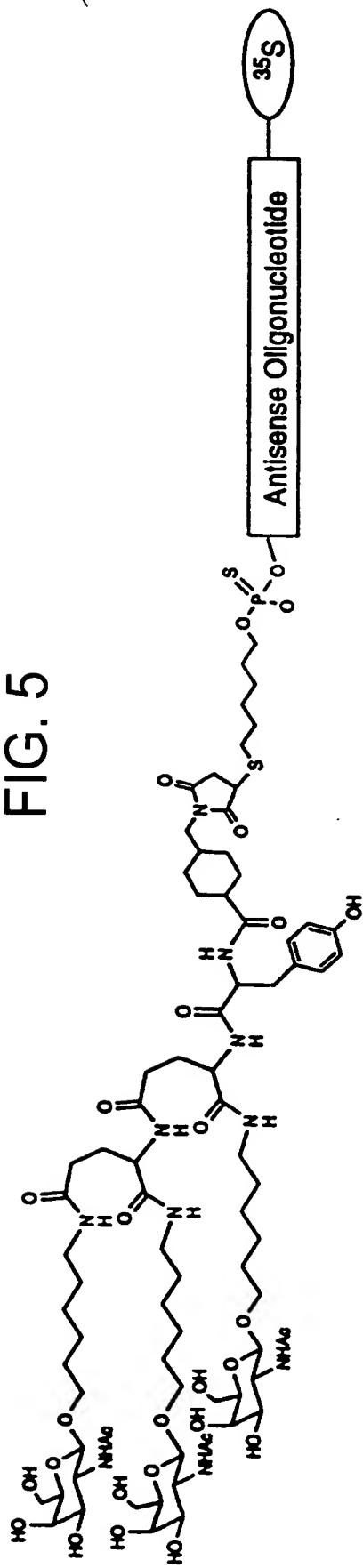


FIG. 5



35S where is $-[(35\text{S})-\text{ps}'\text{A}]_n$ $n = 1..3$

FIG. 6

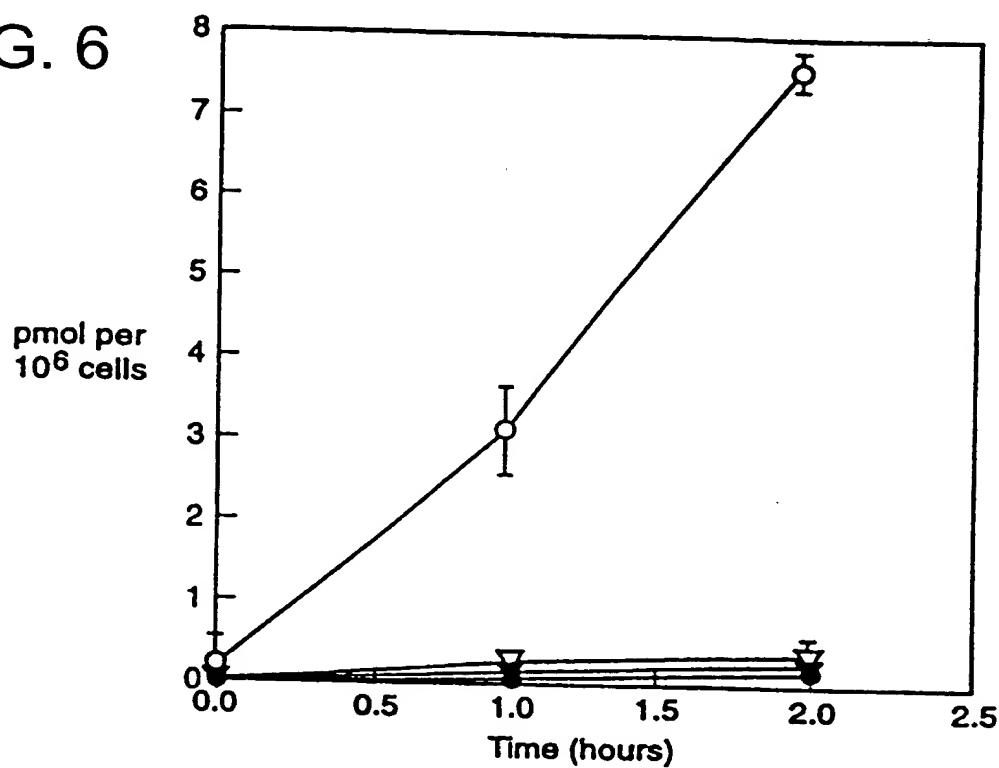


FIG. 7

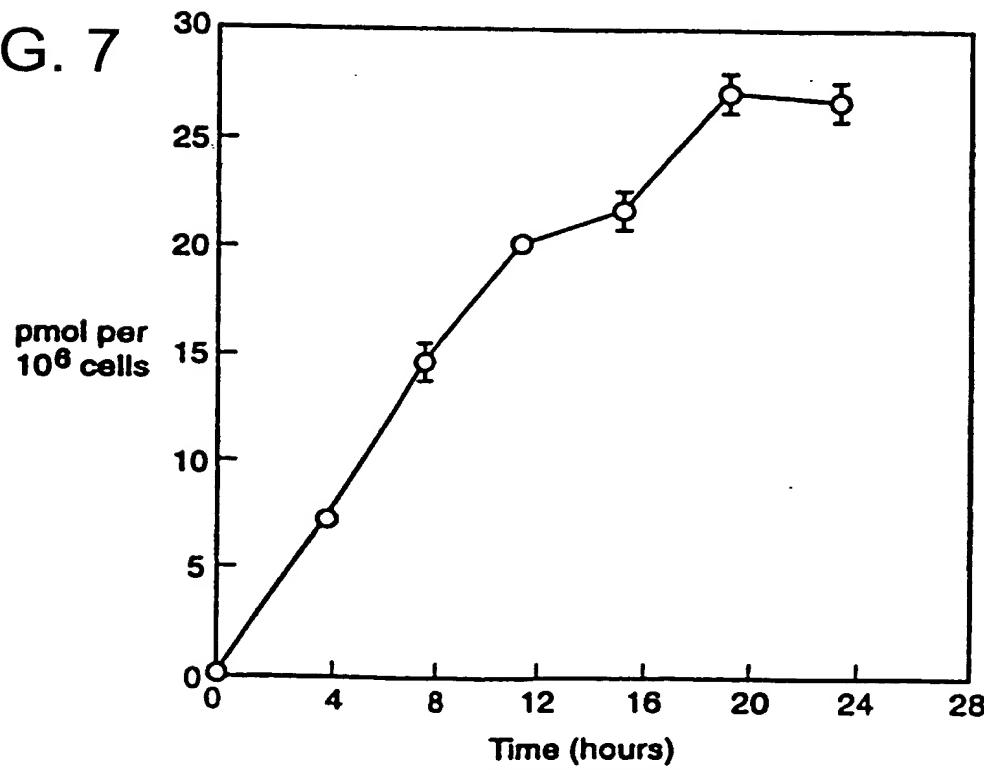
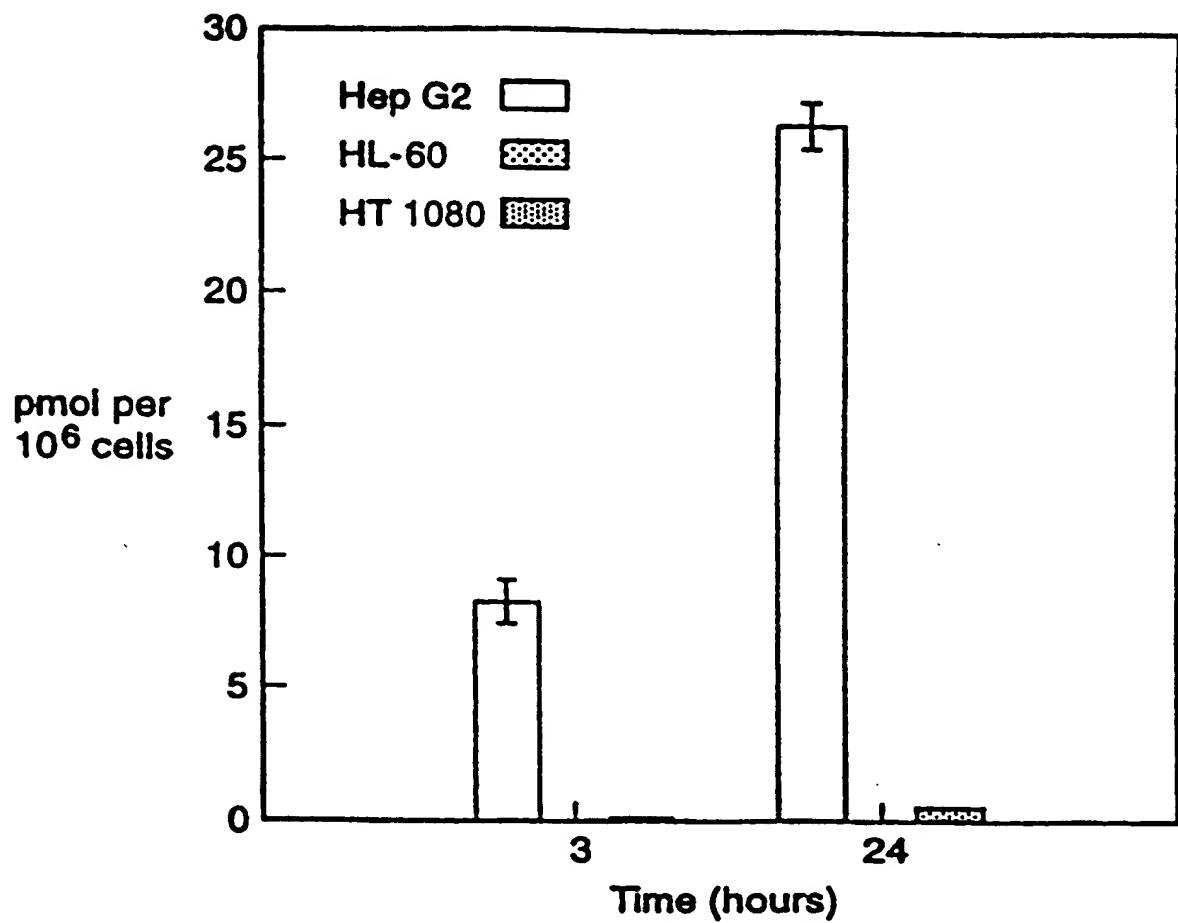


FIG. 8



NUCLEASE RESISTANT NEOGLYCOCONJUGATE UPTAKE
BY HEP G2 CELLS

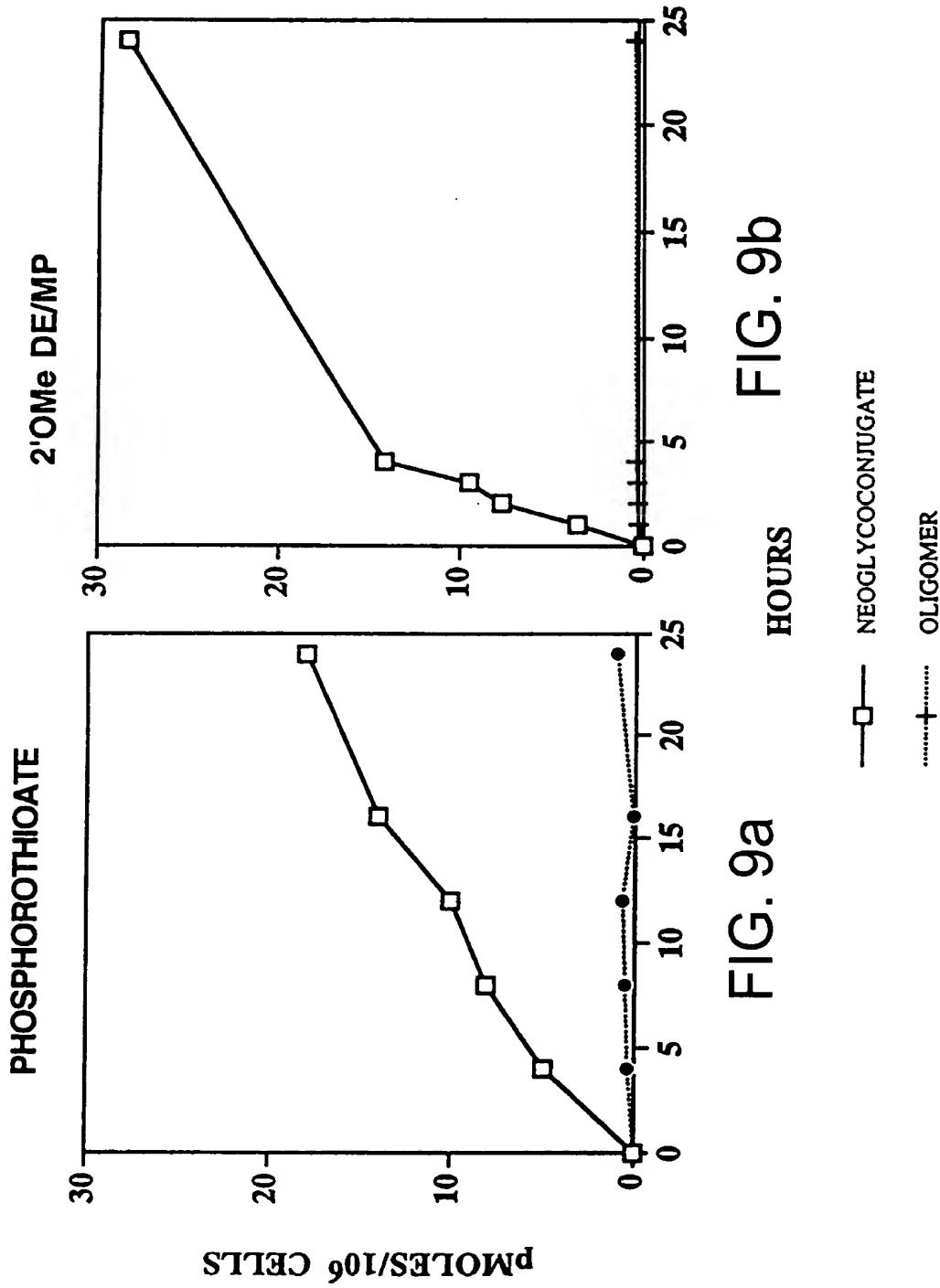


FIG. 9a

FIG. 9b

FIG. 10
NUCLEASE RESISTANT NEOGLYCONJUGATE UPTAKE
BY HEP G2 2.2.15 CELLS

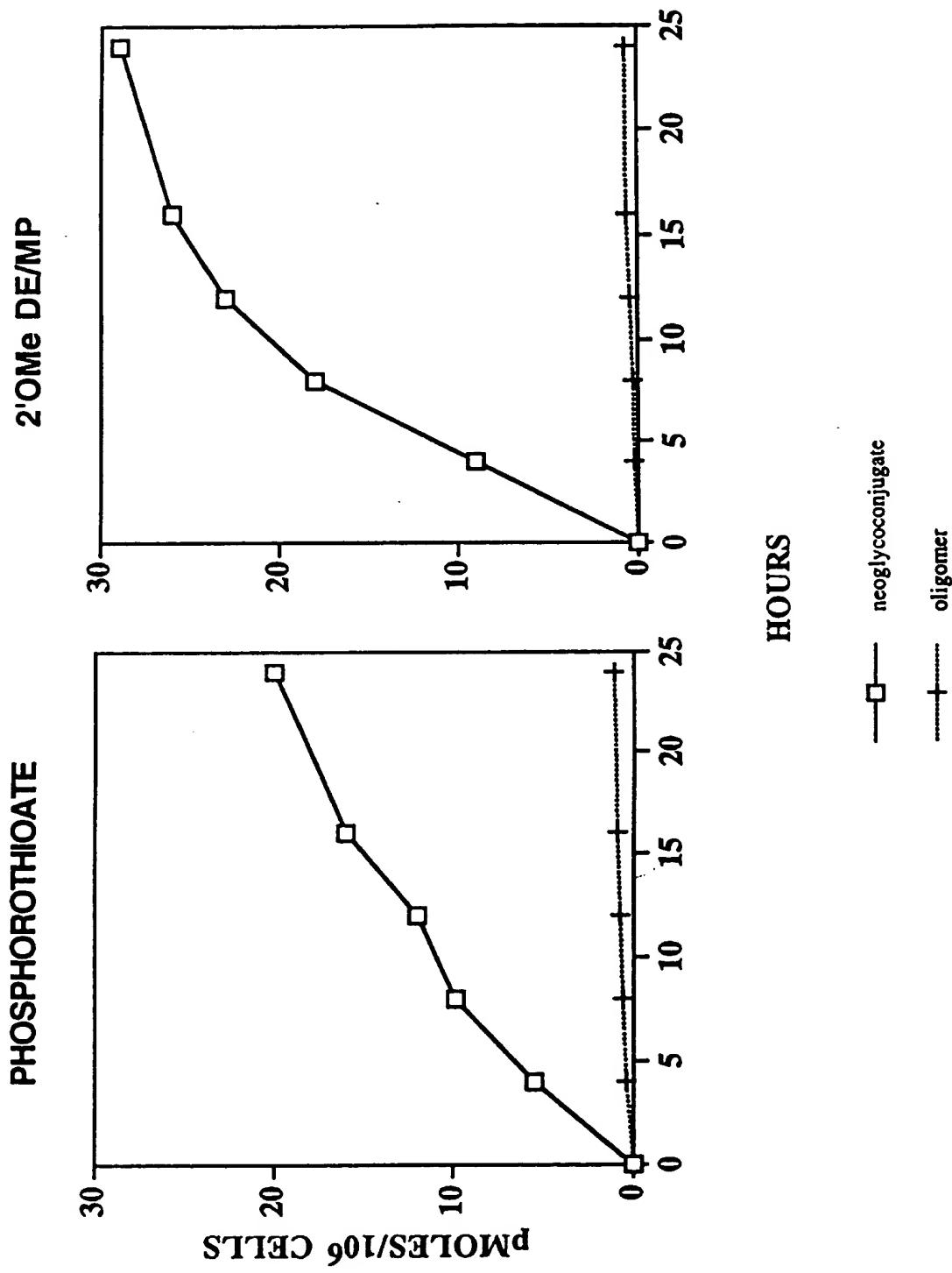


FIG. 11

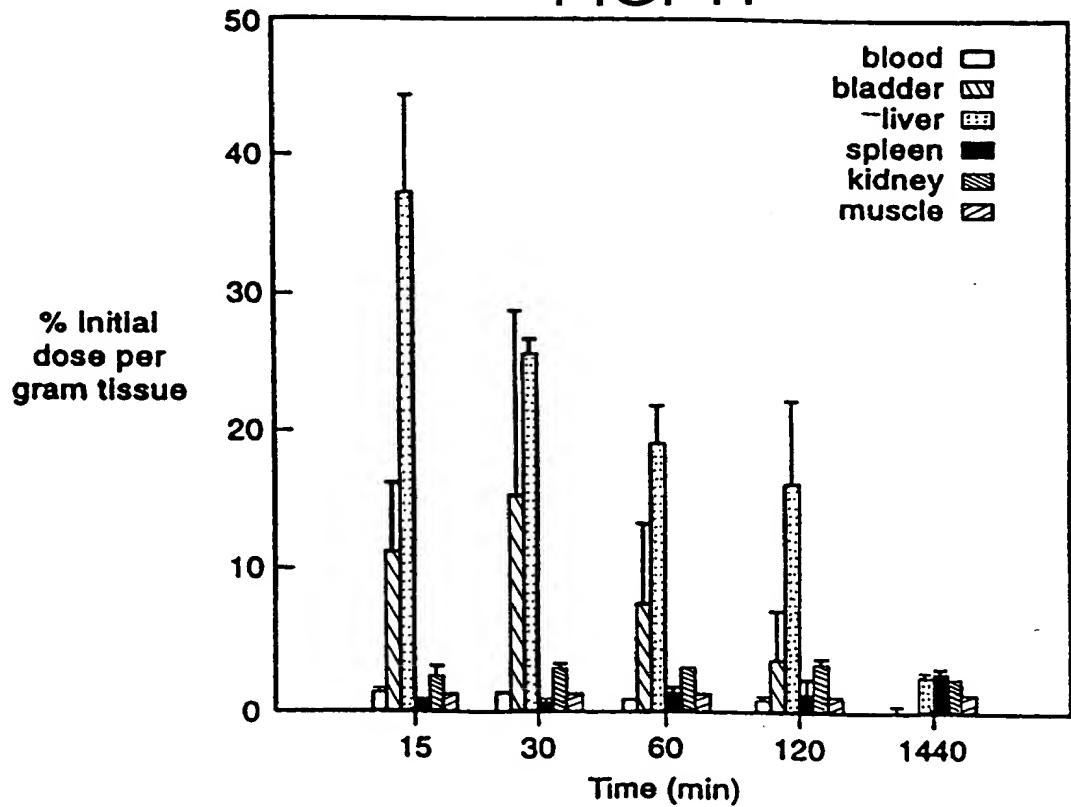
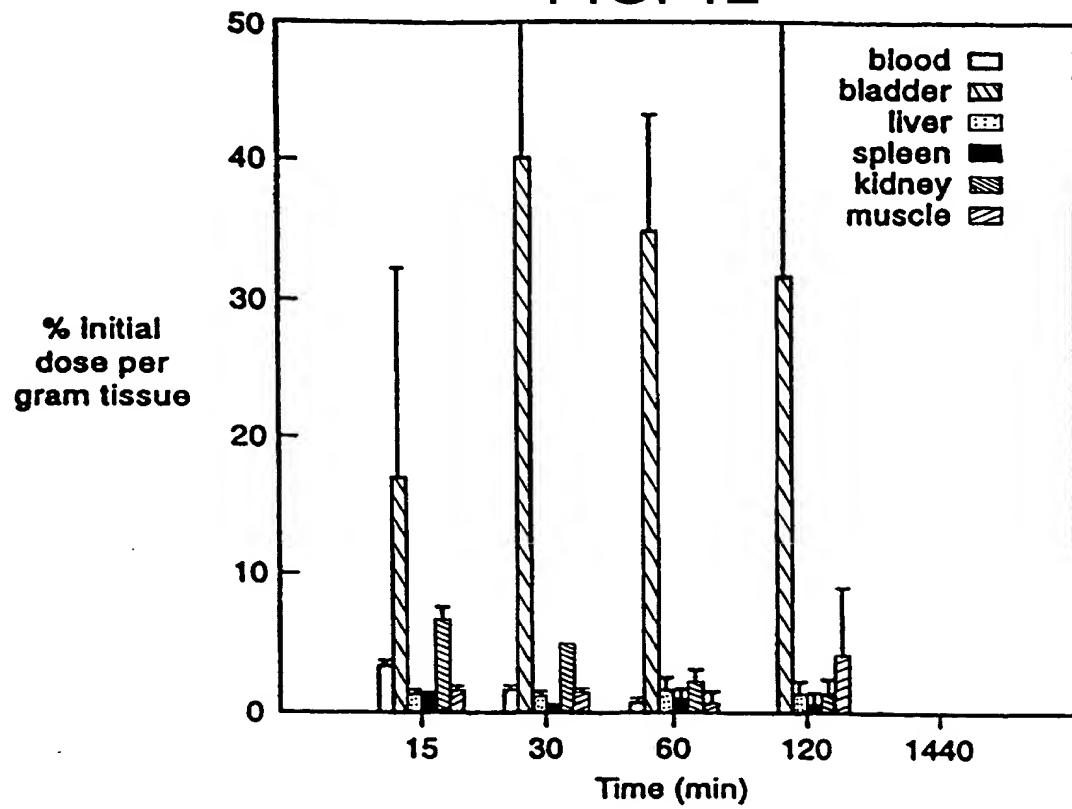


FIG. 12



Tissue Distribution in Mice of {S-35}-Labeled
Antisense Phosphorothioate Oligomer Against HBV

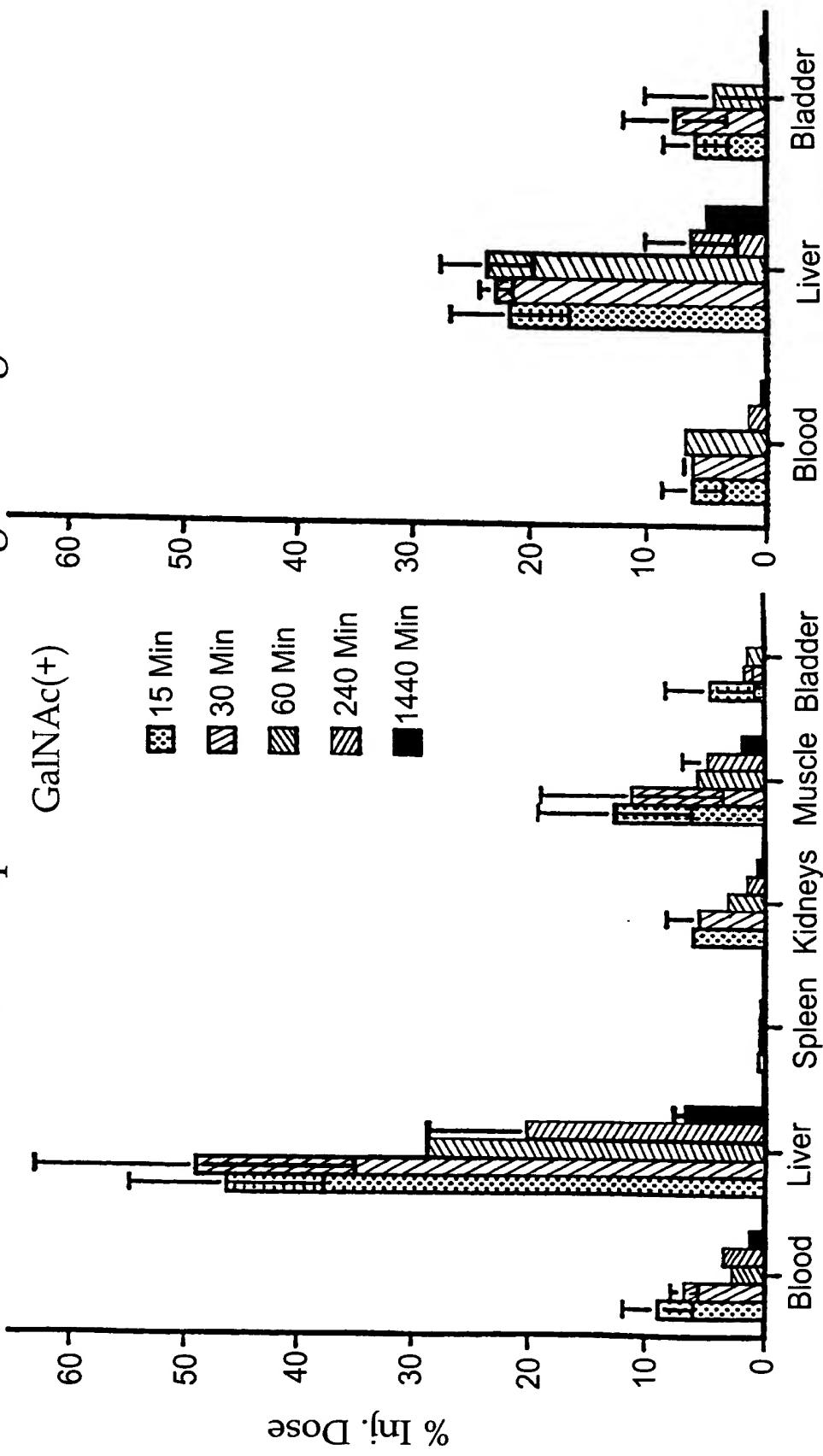


FIG. 13a

FIG. 13b

FIG. 14

1 2 3 4 5 6 7 8

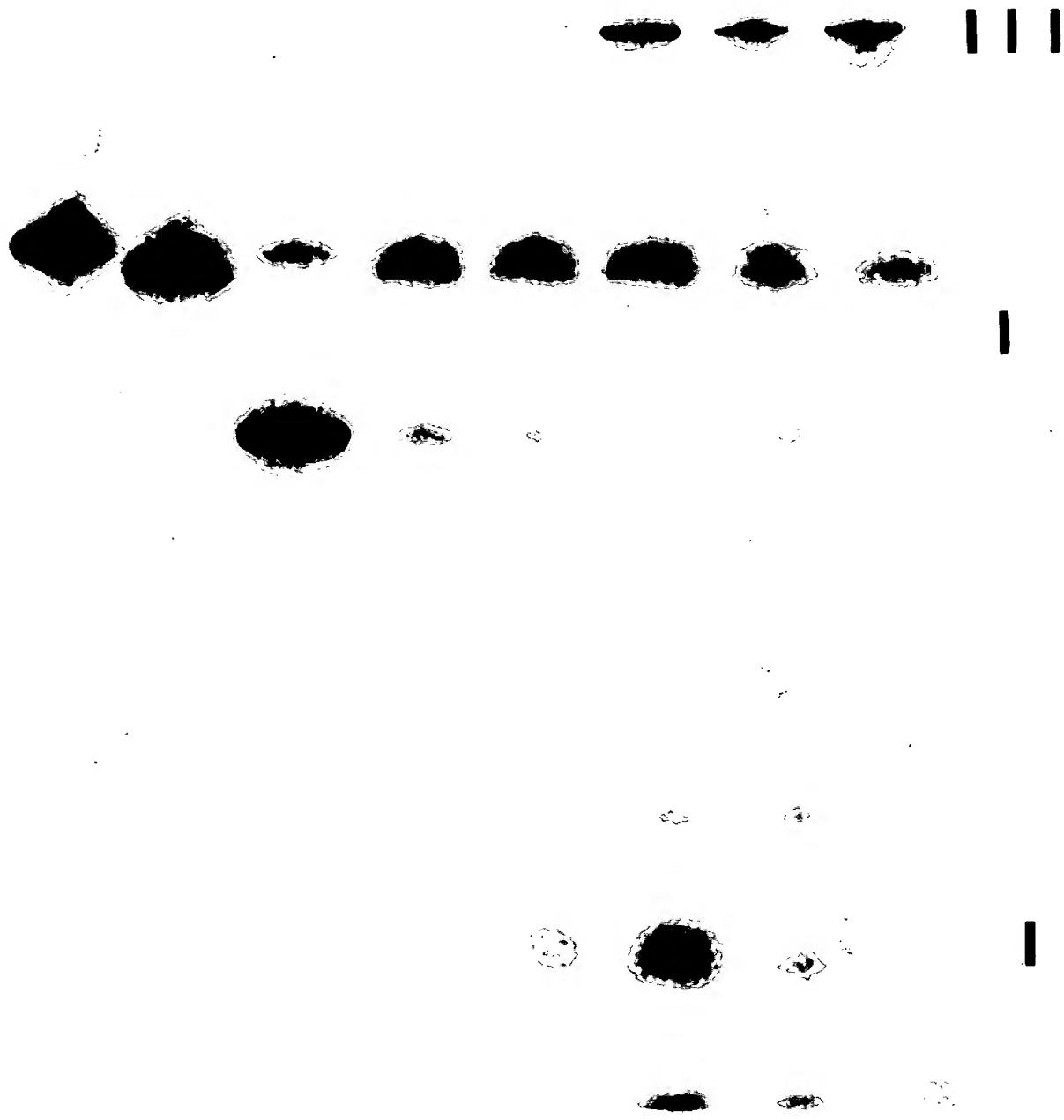


FIG. 15

1 2 3 4 5 6 7 8 9

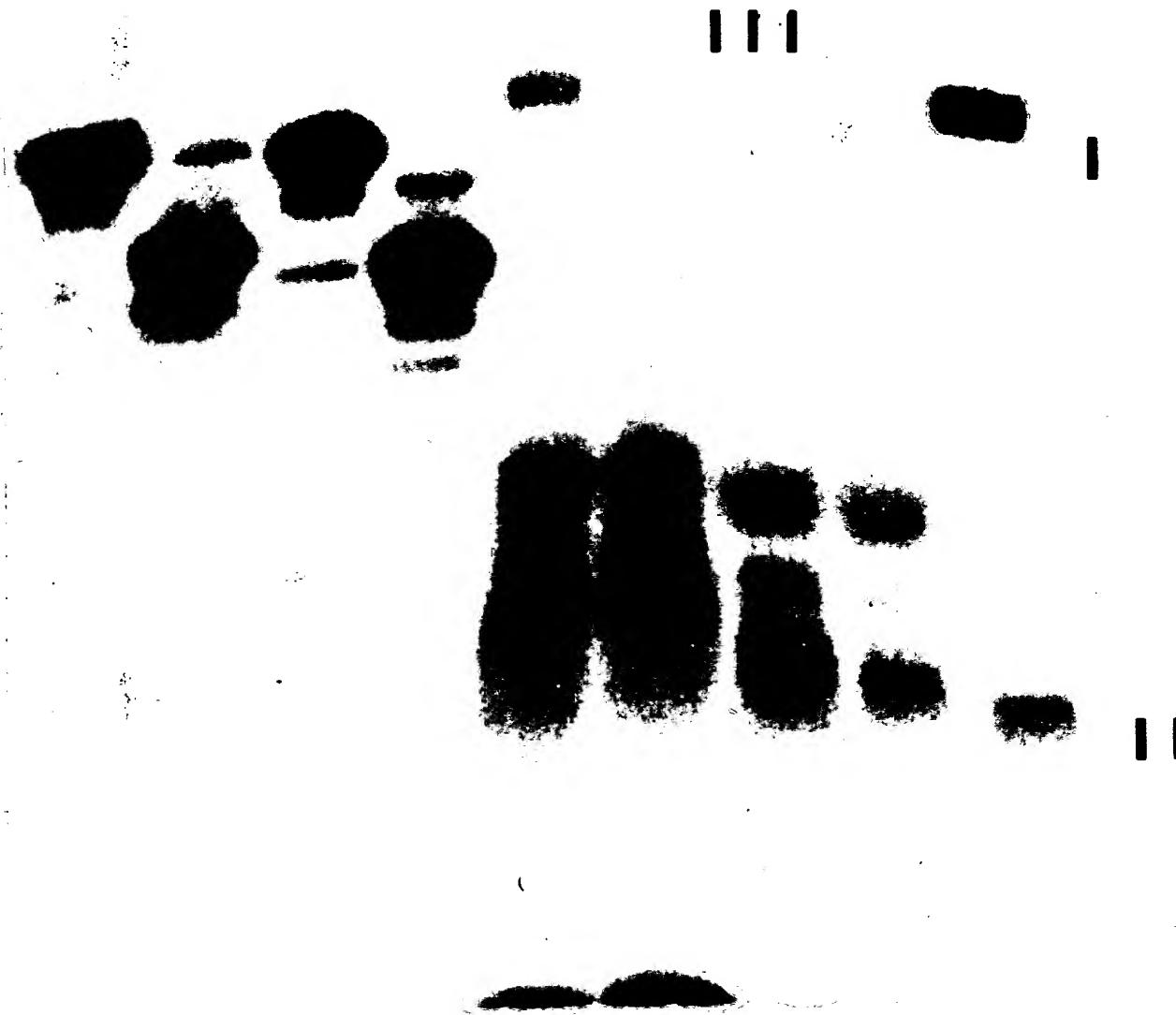
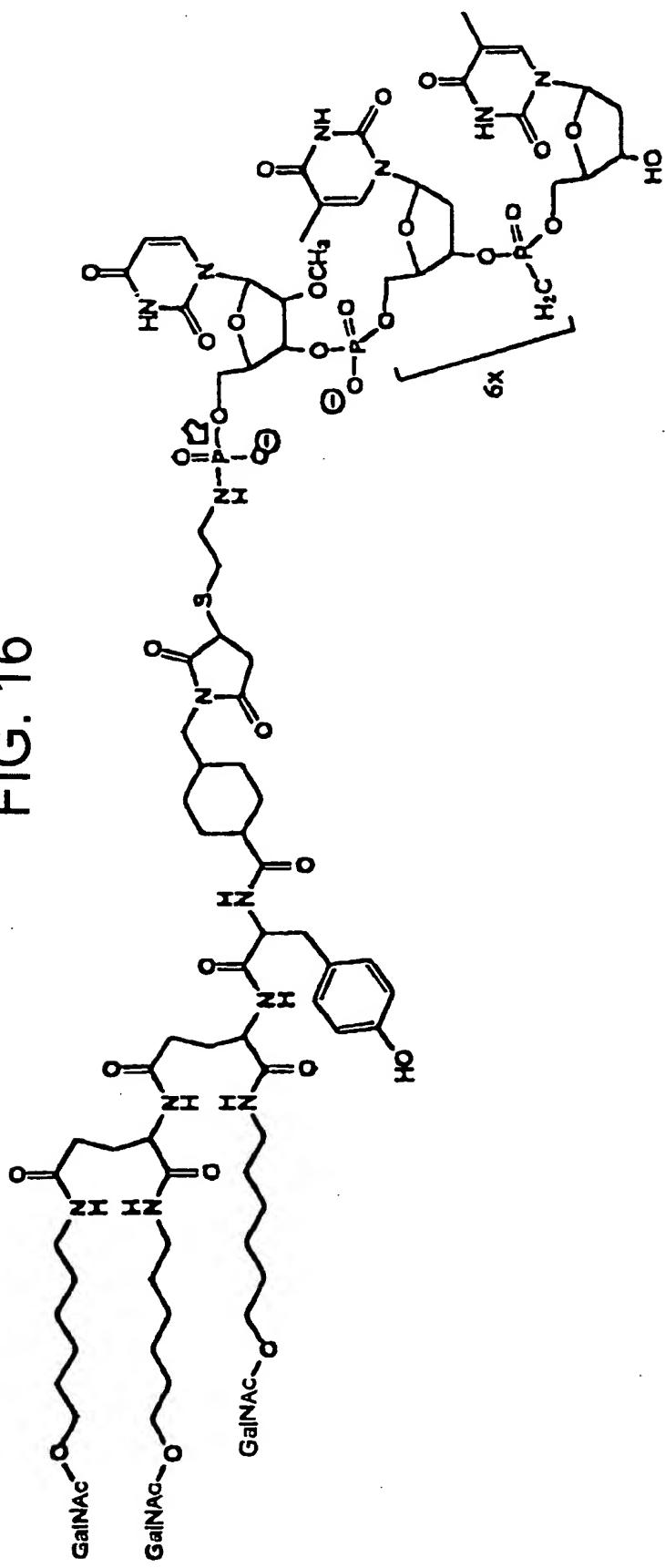


FIG. 16



10: YEE(ahGalNAc)₂-SMCC-AET-pUT^mpI,

11: YEE(ah)-SMCC-AET-pUT^mpI,

12: [Y]-SMCC-AET-pUT^mpI,

13: pUT^mpI,

14: YEE(ahGalNAc)₂-SMCC-AET-pUT^mpU^m

15: YEE(ahGalNAc)₃-SMCC-AET-pUT^mpU^m



1 2 3 4 5 6 7 8

FIG. 17

FIG. 18

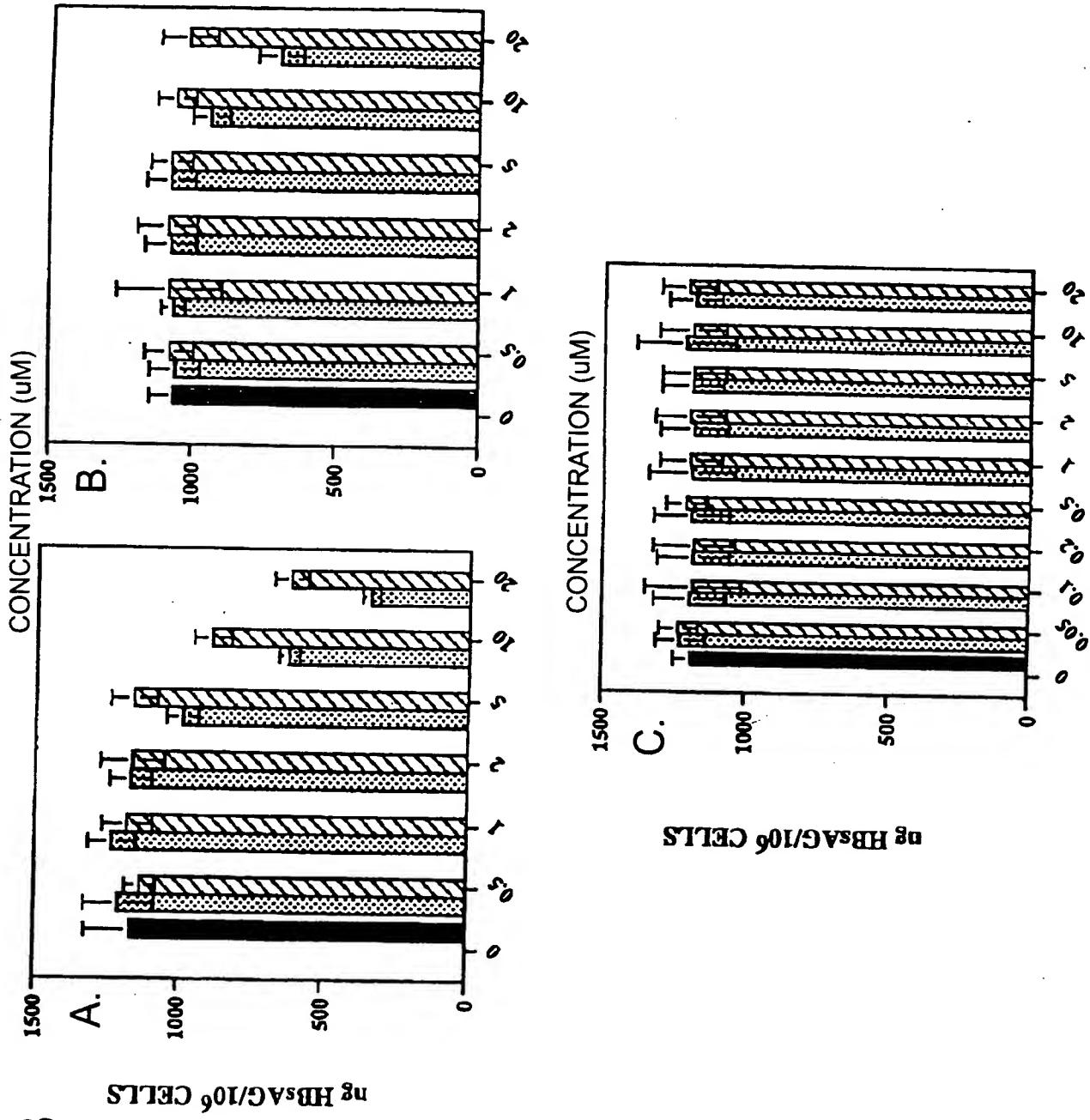


FIG. 19

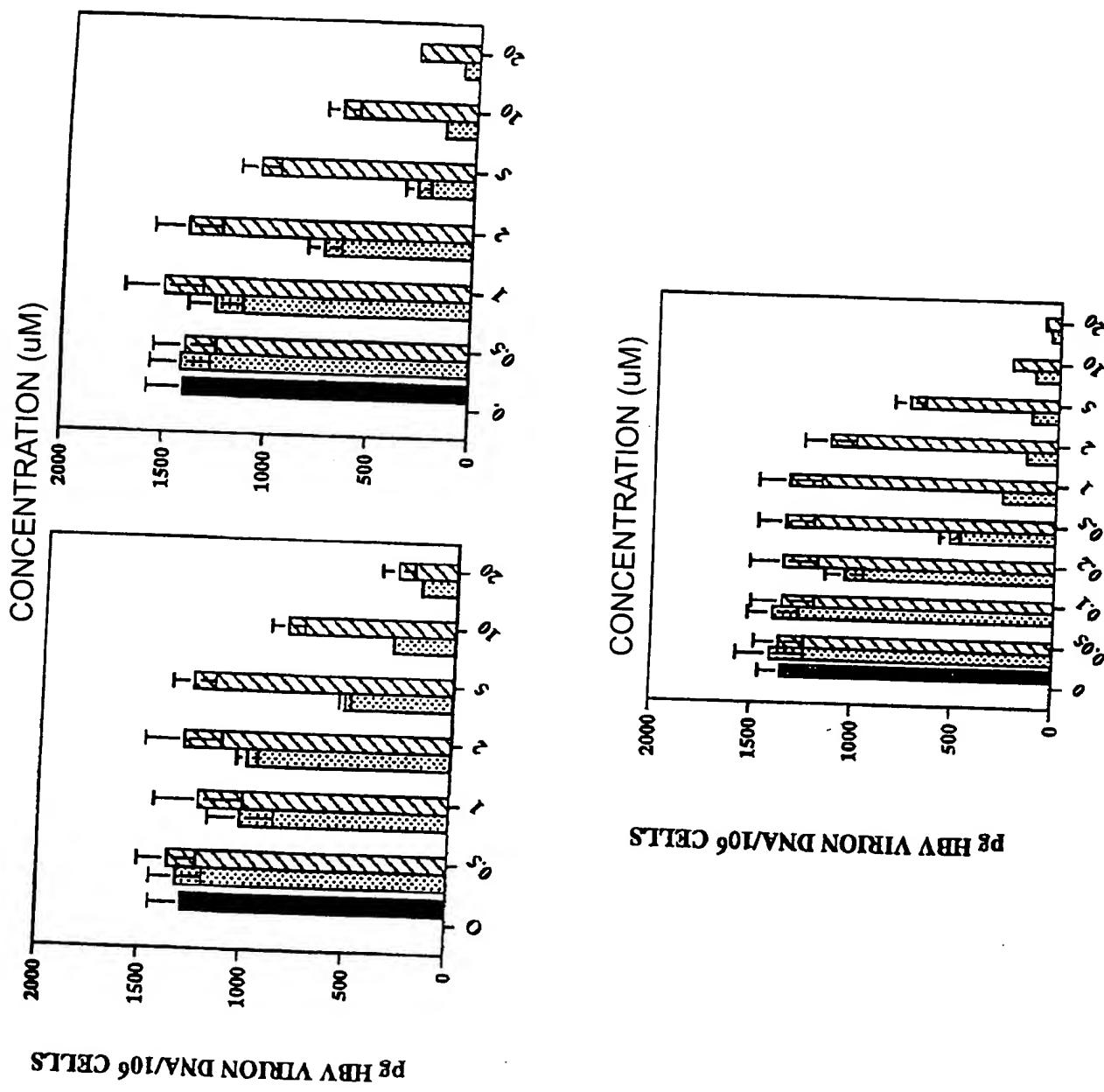


FIG. 20

